

HU-25A Guardian - LaRC #524 01/29/21

Aircraft: [HU-25A Guardian - LaRC #524](#) (See full schedule)

Flight Number: ACTIVATE 21-050

Payload Configuration: ACTIVATE In Situ Suite

Nav Data Collected: No

Total Flight Time: 3 hours

Submitted by: Luke Delaney on 01/29/21

Flight Segments:

From:	KLFI	To:	KLFI
Start:	01/29/21 12:40 Z	Finish:	01/29/21 15:40 Z
Flight Time:	3 hours		
Log Number:	21F001	PI:	Armin Sorooshian
Funding Source:	Barry Lefer - NASA - SMD - ESD Tropospheric Composition Program		
Purpose of Flight:	Science		
Miles Flown:	664 miles		
Comments:	<p>Second science flight for the HU-25 Falcon in support of ACTIVATE Campaign #3. This sortie was conducted solo (independent of the UC-12) but covered the same geographic area as the UC-12 flight executed earlier in the day. Departed for the southern corridor (AR8) and transited oceanic (ECG to LSIER) at altitudes ranging from 500 ft AGL to 7500 ft MSL. Data was collected below/above/within the boundary layer segment and include water/mixed/ice precipitants. Light to moderate turbulence was encountered during portions of the event with no anticipated impact on the collection effort. Additionally, occasional ice accumulation on the right-wing instrumentation probe was encountered, which required descent toward minimum altitude for shedding. All objectives were achieved and no system discrepancies were noted.</p>		

Flight Hour Summary:

	21F001
Flight Hours Approved in SOFRS	200
Total Used	44.7
Total Remaining	155.3

21F001 Flight Reports

Date	Flt #	Purpose of Flight	Duration	Running Total	Hours Remaining	Miles Flown
01/20/21	ACTIVATE 20-049	Science	3	3	197	700
01/27/21	ACTIVATE 20-049	Science	2.7	5.7	194.3	700
01/29/21	ACTIVATE 21-050	Science	3	8.7	191.3	664
02/03/21	ACTIVATE 21-051	Science	3.1	11.8	188.2	675
03/04/21	ACTIVATE 21-052	Science	3.1	14.9	185.1	675
03/05/21	ACTIVATE 21-054	Science	3.5	18.4	181.6	625
03/05/21	ACTIVATE 21-054	Science	3.2	21.6	178.4	675
03/08/21	ACTIVATE 21-055	Science	3.5	25.1	174.9	690
03/09/21	ACTIVATE 21-056	Science	3.3	28.4	171.6	745
03/12/21	ACTIVATE 21-057	Science	3.5	31.9	168.1	705

03/12/21	ACTIVATE 21-057	Science	3.5	35.4	164.6	705
03/20/21	ACTIVATE 21-xxx	Science	0	35.4	164.6	0
03/20/21	ACTIVATE 21-xxx	Science	0	35.4	164.6	0
03/20/21	ACTIVATE 21-058	Science	3.4	38.8	161.2	705
03/23/21	ACTIVATE 21-059	Science	3.4	42.2	157.8	705
03/25/21	ACTIVATE 21-059	Science	2.5	44.7	155.3	607

Flight Reports began being entered into this system as of 2012 flights. If there were flights flown under an earlier log number the flight reports are not available online.

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